

IN THE CLAIMS:

1. (Currently Amended) A self-supporting polysiloxane film, which does not have a specific light absorption band in the visible wavelength range and has an optical transmissivity of not less than 85% at 400 nm and an optical transmissivity of not less than 88% in the wavelength range of from 500 nm to 700 nm, said film comprising a polysiloxane crosslinked by reacting, in the presence of a platinum catalyst, a polysiloxane having an unsaturated aliphatic hydrocarbon group and represented by the average structural formula:

(1) $R^1_a SiO_{(4-a)/2}$ (where R^1 is a C_1 - C_{10} monovalent hydrocarbon group and the subscript «a» is a positive number in the range of $0 < a < 2$) with an organosilicon compound having at least two hydrogen atoms directly bonded to silicon atoms.

2. (Previously Presented) The self-supporting polysiloxane film according to Claim 1, in which the polysiloxane represented by the above-mentioned average structural formula (1) comprises $(XR^2_2 SiO_{1/2})$ units (where X is a C_2 - C_{10} monovalent unsaturated aliphatic hydrocarbon group, and R^2 is a C_1 - C_{10} monovalent hydrocarbon group other than X) and $(R^3_3 SiO_{3/2})$ units (where R^3 is a C_1 - C_{10} monovalent hydrocarbon group other than X).

3. (Previously Presented) The self-supporting polysiloxane film according to Claim 1, in which the polysiloxane represented by the above-mentioned average structural formula (1) comprises $(R^4_n SiO_{(4-n)/2})$ units (where R^4 is selected independently from a C_1 - C_{10} monovalent hydrocarbon group and a C_2 - C_{10} monovalent unsaturated aliphatic hydrocarbon group, and «n» is 1, 2, or 3) and $(SiO_{4/2})$ units, and contains an unsaturated aliphatic hydrocarbon group.

4. (Cancelled).

5. (Cancelled)

6. (Currently Amended) A method of manufacturing a self-supporting polysiloxane film, which does not have a specific light absorption band in the visible wavelength range and has an optical transmissivity of not less than 85% at 400 nm and an optical transmissivity of not less than 88% in the wavelength range of from 500 nm to 700 nm, said method comprising the steps of:

forming an uncured film by coating a substrate with a crosslinkable polysiloxane composition comprising a polysiloxane having an unsaturated aliphatic hydrocarbon group and represented by the average structural formula: $(1) R_a^1 SiO_{(4-a)/2}$ (where R^1 is a $C_1 \sim C_{10}$ monovalent hydrocarbon group and the subscript «a» is a positive number in the range of $0 < a < 2$), an organosilicon compound having at least two hydrogen atoms directly bonded to silicon atoms, and a platinum catalyst;

producing a cured self-supporting polysiloxane film by crosslinking the above-mentioned uncured film; and

peeling off the above-mentioned ~~cured~~ film from the above-mentioned substrate.

7. (Previously Presented) The method of manufacturing a self-supporting polysiloxane film according to Claim 6, wherein the polysiloxane represented by the above-mentioned average structural formula (1) comprises $(XR^2_2 SiO_{1/2})$ units (where X is a $C_2 \sim C_{10}$ monovalent unsaturated aliphatic hydrocarbon group and R^2 is independently a $C_1 \sim C_{10}$

monovalent hydrocarbon group other than X) and ($R^3SiO_{3/2}$) units (where R^3 is a C_1 - C_{10} monovalent hydrocarbon group other than X).

8. (Previously Presented) The method of manufacturing a self-supporting polysiloxane film according to Claim 6, wherein the polysiloxane represented by the above-mentioned average structural formula (1) comprises ($R^4SiO_{(4-n)/2}$) units (where R^4 is selected independently from a C_1 - C_{10} monovalent hydrocarbon group and a C_2 - C_{10} monovalent unsaturated aliphatic hydrocarbon group, the subscript «n» is 1, 2, or 3) and ($SiO_{4/2}$) units, and contains an unsaturated aliphatic hydrocarbon group.

9. (Original) A laminated film comprising an inorganic substance layer on a transparent substrate made from a self-supporting cross-linked polysiloxane that does not have a specific light absorption band in the wavelength range of 400 nm to 800 nm.

10. (Original) The laminated film of Claim 9, wherein said inorganic substance layer is a layer of metal or a semiconductor metal oxide applied by vapor deposition.

11. (Previously Presented) The laminated film according to Claim 9, wherein said crosslinked polysiloxane film is made from a polysiloxane crosslinked by reacting a polysiloxane containing an unsaturated aliphatic hydrocarbon group and represented by the following average structural unit formula (1):



(where R^1 is a C_1 - C_{10} monovalent hydrocarbon group and the subscript «a» is a positive number in the range of $0 < a < 2$) and an organosilicon compound having at least two hydrogen atoms directly bonded to silicon atoms, in the presence of a platinum catalyst.

12. (Original) The laminated film according to Claim 11, wherein said polysiloxane represented by the above-mentioned average structural formula (1) comprises $(\text{XR}^2_2\text{SiO}_{1/2})$ units (where X is a $\text{C}_2\text{-C}_{10}$ monovalent unsaturated aliphatic hydrocarbon group and R^2 is a $\text{C}_1\text{-C}_{10}$ monovalent hydrocarbon group other than X) and $(\text{R}^3\text{SiO}_{3/2})$ units (where R^3 is a $\text{C}_1\text{-C}_{10}$ monovalent hydrocarbon group other than X).

13. (Previously Presented) The laminated film according to Claim 11, wherein said polysiloxane represented by the above-mentioned average structural formula (1) comprises $(\text{R}^4_n\text{SiO}_{(4-n)/2})$ units (where R^4 is selected independently from a $\text{C}_1\text{-C}_{10}$ monovalent hydrocarbon group and a $\text{C}_2\text{-C}_{10}$ unsaturated aliphatic hydrocarbon group, the subscript «n» is 1, 2, or 3) and $(\text{SiO}_{4/2})$ units, and contains an unsaturated aliphatic hydrocarbon group.

14. (Original) A method of manufacturing a laminated film by forming an inorganic substance layer in a vacuum film-forming process at a temperature not exceeding 300°C on a transparent substrate made from a self-supporting cross-linked polysiloxane that does not have a specific light absorption band in the wavelength range of 400 nm to 800 nm.

Please add the following new claims.

15. (New) A self-supporting polysiloxane film according to Claim 1 having a tensile strength of not less than 10 MPa.

16. (New) A self-supporting polysiloxane film according to Claim 15 having a thickness of between 5 and 200 μm .

17. (New) A laminated film according to claim 9 wherein said transparent substrate has a tensile strength of not less than 10 MPa.

18. (New) A laminated film according to claim 17 wherein said transparent substrate has a thickness of between 5 and 200 μm .

19. (New) A laminated film according to claim 18 wherein said inorganic layer has a thickness of 50 to 5000 Angstroms.